

120FS



Technical sheet of 120FS

What are the Benefits of choosing 120FS bearings?

- **Versatile Load Bearing:** Capable of simultaneously withstanding radial and bidirectional axial loads, suitable for high-speed and ultra-high-speed applications.
- **Low Friction and Long Life:** Optimized contact between the raceway and steel balls results in an extremely low coefficient of friction, minimal heat generation, and a long service life.
- **High Speed Capability:** Due to high operational precision, it allows for very high maximum speeds.
- **Low Maintenance Costs:** Can be designed with dust covers or sealing rings for lifetime lubrication, requiring no routine maintenance.
- **Rigid and Quiet Operation:** Provides a certain level of rotational stiffness while maintaining low operating noise and vibration levels.

Type :	Single row deep groove ball bearings	
Model :	120FS	
Main demensions :	20 mm × 47 mm × 15.82 mm	Bore Dia × Outside Dia × Width Dia
M kg:	0.12	Mass
HS Code :	8482102000	Bearing customs code
d mm:	20	inner ring diameter
D mm:	47	Outer ring diameter
B(T) mm:	15.82	Overall Width

Detailed parameters and installation dimensions:

Part Number: 120FS Hoffmann

Technical description (FS): FS=BALL BEARING, SINGLE LIP SNAP-IN SEAL AND SHIELD.

Bearing Type: Deep Groove Ball Bearings, Single Row

Bearing Size (metric): Bore Dia. (d): 20 mm X Outer dia. (D): 47 mm X Width (B): 15,82 mm or Size: 20 mm * 47 mm * 15,82 mm

Original Equipment Manufacture(OEM NO.): 120FS

Bore: C (Cylindrical Bore)

Seals Type: No Seal

Cage Design: S (Steel or Standard Cage)

Radial internal clearance: Cn (Normal Internal clearance)

Precision Rating: Standard class precision

Type of lubrication: Standard class lubrication

Thermal Stability: No Thermal Stability - Temperatures up to 120°C

What are the applications of the 120FS bearing?

- **Motors/Electrical Appliances:** Used in motors and home appliances. Ensures smooth high-speed operation and low noise.
- **Automotive Industry:** Used in generators and gearboxes. Suitable for medium loads and offers high reliability.
- **General Machinery:** Used in pumps, fans, and speed reducers. Low friction, maintenance-free, and long service life.

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